RYRYR DE ANARTS RYRYR DE ANARTS RYRYR DE ANARTS RYRYR
Good morning/evening it is Sunday the 1st October 2006
and here is ANARTS with our weekly RTTY broadcast
bringing
you - cast 1416.
We transmit on 40 metres 7042 each Sunday morning at 0030
UTC and 80 metres 3542 each Sunday evening at 0930 UTC.
Selected items from this cast are also transmitted by
the Westlakes Amateur Radio Club. Time of transmission is
1930 local time on Tuesdays and the frequency is
146.775MHZ.
ANARTS now has a web site at www.anarts.com.au
where information about the society can be found, as well
as
the weekly broadcast texts.
Views expressed in this news bulletin are not necessarily
those of the Broadcast Officer, the Relay Officers, or of
the Society.
Items in this broadcast include
1. Cols column
2. IPS REPORT
3. VK2SG RTTY DX report
4. OPDX News
5. Anarts Information
cq cq de vk2tty vk2tty
A.N.A.R.T.S. News Bulletin 1416 for 1st of October 2006
Cols Column
Propagation of Radio Waves.
Ionospheric Irregularities.
Fading.
The term 'Fading' refers to fluctuation in the strength
of received signals.
These fluctuations may be very rapid, occuping only
fractions of seconds or
they may be very slow, lasting for periods as long as an
hour. In general,
fading is more rapid on high than low frequencies.
Fading may be classified into five main types as follows:
1. Interference Fading
This type of fading occurs when two or more waves from
the same source arrive
at the receiver over slightly different path lengths.
When the paths are all
via the ionosphere, the variations tend to smooth out and
produce a 'Flutter'
in the received signal. Very bad interference fading
results when a single sky
wave returns to earth at a point where the ground wave is
of comparable
amplitude. This type of fading is particularly bad on
frequencies between about
1000-2000 Khz at distances of 80 to 350 kilometres near
sunrise and sunset
when the height of the ionospheric layers is changing
rather rapidly.
2. Polarisation Fading.
Polarisation fading is the result of changes in the
direction of polarisation
of the incident wave and is due primarily to the
combination of the ordinary
and extraordinary wave. The polarisation of sky waves
varies more rapidly
the higher the frequency, thus accounting in part to the

more rapid fading on
higher frequencies.
3. Absorption Fading.
Variations occur in the amount of energy absorbed from
the wave by the ionosphere
and this gives rise to changes in the field strength of
the received signal. In
general, the period of this type of fading is longer than
those already mentioned,
since the changes in ionospheric absorption occur only
slowly. The effects of
sudden ionospheric storms are an extreme case of this
type of fading.
4. Skip Fading.
Skip fading occurs at places near the skip distance of a
particular frequency and
is brought about by fluctuations in layer conditions
causing the skip distance
to increase or decrease. Skip fading is most noticeable
around sunset and sunrise
and may cause several abrupt changes in signal strength
before conditions
become stabilised.
5. Selective Fading.
Selective fading is due to the fading by any one of the
other types of fading,
being different on different frequencies. Fading of this
nature is particularly
troublesome on AM signals, as the closely spaced
frequencies of the sidebands
and carrier wave are subject to slightly varying degrees
of fading, resulting
in distortion of the signal. The name, selective fading
is used because the
fading is thought to select some frequencies rather than
the others.
That concludes this article on the propagation of radio
waves.
This is also my last broadcast, as we leave for the UK
next Friday.
Thanks to all the regular stations who have taken the
broadcast over the years.
73s and I hope to continue sending the column to Pat
VK2JPA once I have E-mail
access.
Col VK2CTD.
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cq cq de vk2tty vk2tty
IPS Weekly Solar and Geophysical Report for 22nd to 28th
September, issued on 29th September by the IPS Radio and Space Services.
SUMMARY
Date
22 23 24
25 26 27
28
10cm flux
72 70 70
70 71 72
73
AFr index
1 7 15
6 5 2 (
2 estimated)

Aaus index
1 8 17
6 6 3 (
3 estimated)
T index
11 12 15
6 0 -8
-7
Solar flare activity was low on 23rd; and very low
otherwise.
Geomagnetic activity observed for the Australian Region
was quiet on 22nd, and 26th to 28th; quiet to unsettled on 23rd and 25th; and
quiet to active on 24th.
Southern Australian Ionospheric F2 critical frequencies
were near predicted on 22nd and 23rd; slightly below predicted on 24th to 26th;
near predicted to 20 per cent depressed on 27th; and depressed to 15 per cent
on 28th.
Forecast for 29th September to 5th October
Solar activity should be low.
Geomagnetic activity should be active on 1st, and quiet
to unsettled on other days.
Frequencies should be depressed 15 to 30 per cent from
29th to 1st; and slightly below predicted monthly values on other days.
courtesy of the IPS Radio and Space Services
summary by Pat VK2JPA ANARTS Broadcast Officer

Cq cq de vk2tty vk2tty
RTDX0928 RTTY DX
VK2SG RTTY DX NOTES FOR WEEK ENDING 28 SEPTEMBER (BID
RTDX0928)
This week our information came from AA5AU, GU0SUP, I5FLN,
DJ3IW, UT5RP, OH2AQ DX Summit and NG3K.
Thank you all!
Friday 22
0000-14086 TF3PPN
0004-14086 HC8N via W5UE
0112-14085 UN7DA
0357- 7036 HC8N
0508-14088 JT1CO
0722-18102 UN1EE
0932-21082 A25/DF3GY
1125-18100 JY4NE
1209-14086 EA8RR
1210-14083 HS0ZBS
1213-14083 J7R via N1DL
1257-14083 TK/DF6FY
1300-14086 R860T
1304-14079 8P2K
1312-10143 UN7PBY
1526-18100 A25/DF3GY
1540-14085 HC8N
1549-14061 R1FJT
1555-14087 SV9/DL3HQN
1559-14091 3B9FR
1656-14081 4L1DA
1740-14087 CU2AF
1840- 7037 A25/DF3GY
1918-14083 XU7ABN
1952- 3588 YT6Y
2116-14082 CT3DL
2138-21084 TG9AKH
2226-14086 CU2AF
2244- 7042 R860T

2250-14086 TF3AO/4
2305- 7039 EA8AH via RD3A
2345-14089 JT1CO
Saturday 23
0001-28085 HC8N
0008-21085 HC8N
0013-14084 KL7AC
0019-21085 KH7X
0021-14087 B1Z
0025-21099 VK4AN
0034-14076 8P2K
0034-21094 3W9JR
0036-21084 FK8HN
0036-14097 KH6GMP
0046-14094 AL1G
0049- 3578 EX8AB
0057-21086 ZL2AMI
0116- 7042 TF4M
0134- 7057 SV9CVY
0139- 7027 HB0/DL1ZBO
0142-14105 3W9JR
0143- 7030 CN8KD
0150-14081 TG9ANF
0151- 7045 P40KM via W4GKM
0154- 7025 EX8AB
0156-14103 BD0AAI
0156- 3580 EA8AH
0203-21088 VQ9LA
0248-14107 VR2XLN
0252- 3605 5D5A
0306- 7050 CX0TTY via CX5BW
0314-21085 T88AS
0317- 7044 3XM6JR
0321-28082 9M6XRO
0326- 7036 4X2Z
0340- 7050 EF8A via EA8AUW
0407-21077 E21YDP
cq cq de vk2tty vk2tty
0416- 7050 EA8AH
0422- 7027 ZC4LI
0453- 7039 KL7AC
0507-14095 EY8MM via K1BV
0524-14079 JW7XK
0524-14080 7X0RY
0544- 7041 HB0/DL1ZBO
0555- 7074 FM5JC
0557-21080 UP6P
0607-14097 4L1DA
0611- 7039 FK8HN
0614- 7039 ZL2AMI
0619- 7036 CX0TTY
0708-14079 XW1A
0715-14082 BD0AAI
0718-21073 VR2BG
0719-14075 JT800OK
0720-21104 YB0ZZ
0729-21102 H2E
0753- 7033 RK2FWA via DK4VW
0754-14101 OH0M via OH1MM
0752-21084 4X6UO
0817-14117 9G5A
0827-14075 7Z1SJ
0836-21082 9V1UV

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0841-21091 DU2/K7QN
0847-14077 E21YDP
0851-14079 7X0RY
0853-21074 JY4NE
0919-21079 5D5A
0924-21092 4X2Z
0954-21083 BP100S
1000-21096 6W1SE
1013-21109 9G5OO
1047- 7039 E21YDP
1044-14093 TF4M
1050- 7034 JT1CO
1101-21084 ZS2EZ
1107-21108 9K2HN
1110-21083 FR5GS
1110- 3593 KH6ZM
1123- 7036 JT800OK
1140-14092 CT3KY
1217-21096 J7R
1236-14072 T88AS
1304-21106 9G5OO
1319- 7042 VR2BG
1325-14114 BD1DRJ
1332-21098 FM5WD
1343- 7030 B1Z
1358- 7032 HS0GBI
1400-21096 3XM6JR
1407-14127 8P2K
cq cq de vk2tty vk2tty
1422-14080 9M2MT
1423-14080 7X0RY
1435-21095 RK2FWA
1439-21077 YB0EIN
1509-14072 YB4IR
1523-14083 TG9AN
1544- 7050 VK1AA
1550-14108 CO2GL
1657- 7020 9M2TO
1658-14080 TG9ANF
1711-28078 6W1SE
1723-14137 SV9CVY
1752- 3524 UP6P
1816-21094 HC1JQ
1828-14084 4X5ML
1831-21081 XU7ABN
1833-28084 EA8AH
1833-14076 CT3KY
1835-21106 5D5A
1837- 3595 9N7NA
1842-14094 TF4M
1854- 3585 OH0Z
1903-14092 CN8LI
1921-21077 CX7BF
1926-14088 EA6BH
1948- 3588 V85SS
2021-14080 7X0RY
2024-14141 J7R
2040-21095 6W1SE
2040-21080 HP3XBV
2043-14093 HB0/DL1ZBO
2123-14096 KG4DX
2134-14063 4A7L
2145-28082 NP4BM
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2153-14093 CN8LI
2209-21085 FK8HN
2212-14112 CO2GL
2254-28084 FK8HN
2304-21087 AH8LG
2330-14074 DU3NXE
2339-14084 HS0ZBS
2339-14071 VR2BG
cq cq de vk2tty vk2tty
Sunday 24
0000-21090 KP2D
0000-14109 HC8N
0008-14086 B1Z
0010-21081 ZL2AMI
0013-21080 KH7X
0015- 7031 EA8AH
0016-14105 BD1DRJ
0017-21086 FK8HN
0018-14089 FM5JC
0020- 7064 4K8F
0026-21085 JT1CO
0026-21102 VK6HZ
0032-21095 JT800OK
0032- 7039 OH0I via OH3BHL
0032-14103 VR2XMT
0035- 7043 RK2FWA
0041-21076 KH6FI
0047-28089 KH7X
0052- 7046 6W1SE
0054-21087 YB0ZZ
0101-21093 9M6XRO
0106-14083 KL7AC
0113-14112 AL1G
0113- 7035 YT6A
0115-14086 TG9ANF
0132-21083 E21YDP
0144-14081 HS0GBI
0149- 7043 CX0TTY
0152-21087 VQ9LA
0157-21086 DU3NXE
0202- 7051 CT3EE
0205- 7026 YM125ATA/4 via TA3YJ
0211-14087 DU0RB
0222- 3580 EA8AH
0231- 3575 HB0/DL1ZBO
0234- 3576 4K6DI
0248-28083 VK4AN
0251- 7054 PZ5RA
0259-28084 9M6XRO
0333-28083 DU3NXE
0423- 7047 TG9SM
0442-21078 9V1YC
0442- 7030 ZC4LI
0444-21092 BD7NL
0450-14098 VR2XMT
0455-14089 XW1A
0500- 3586 HC8N
0505-21088 JT1CO
0506-28083 BD7NL
0507- 7036 HB0/DL7VEE
0539-14094 4L1DA
0544-14092 H2E
0548- 7065 TI2JCY

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0600- 7033 FK8HN
0612-21088 FR5GS
0627-21101 VR2BG
0632-21092 3W9JR
0635-21076 UN6G
0637-14082 7X0RY
0652-21080 YE1ZAT
0703-14100 BV6GU
0703-21081 YB4IR
0706- 3594 KH6ZM
0711-21081 BP100S
0719- 7062 HC8N
0724-21083 SV9/DL3HQN
cq cq de vk2tty vk2tty
0724-21090 A25/DF3GY
0730-21099 VU2LBW
0732-21083 4X2Z
0757-14073 JY4NE
0807-14064 JT1BV
0823-21076 9M2CCO
0824-14082 CT3KY
0831-28092 RK2FWA
0838-14076 CN8KD
0853-14079 EA8KK
0857- 7039 6K5AQY
0913-21082 EA9IB
0921- 7033 VR2XLN
0925- 7045 TK/DF6ZY
0927-21083 9V1UV
0929-14081 CN8LI
0935- 7032 VR2BG
0953-14096 EY8MM
0954- 7037 BD7JLR
1000-21093 4L1QX
1004-28088 VQ9LA
1016-28102 6W1SE
1020-21101 J49XB
1023-21078 CX7BF
1032-14061 8P2K
1034-14088 XW1A
1046-21099 4Z4TL
1059- 7028 T88AS
1106-28089 2E0IJK
1119-14087 P40KM
1133- 7029 DV1JM
1139-21095 ZS2EZ
1142-21104 9G5OO
1221-14123 9K2HN
1222- 7034 HR2/LU1DY
1224-14077 TF4M
1225-14107 7Z1SJ
1227- 7028 YB0ZZ
1229- 7037 VQ9LA
1234- 7036 VK6HD
1242- 3521 VR2BG
1250- 7042 FK8HN
1252-14083 XU7ABN
1303-14063 4Z5ML
1306-14084 TA1EE
1312-14104 T88AS
1342-14105 LX1DA
1346-14106 GD0TEP
1349-14080 HR2/LU1DY
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1350-14113 BD1DRJ
1353-14110 3W9JR
1403-14080 XW1A
1404-21103 HC1JQ
1410-14078 VK4AN
1422-14131 9M2TO
cq cq de vk2tty vk2tty
1429-14076 HS0GBI
1513- 3524 JT1CO
1522-28087 HC8N
1522- 7038 KH7X
1539-21076 NP4BM
1541-14086 YB0EIN
1547-21078 J7R
1552=14103 BD4SI
1612-21086 FM5JC
1616-28089 HK6PSG
1617-14092 HZ1IK
1617-21086 HR2DMR
1617-14125 SV9CVY
1619-14099 UN7GCE
1644- 3590 EW1CQ
1659- 7024 JT1CO
1702- 3527 JT800OK
1706-28089 PZ5RA
1710- 7O21 VK1AA
1714-28093 6W1SE
1718-14087 CU2AF
1720-14081 TG9ANF
1722-21084 CX0TTY
1741- 7037 JT800OK
1747-14083 JW7XK
1808-21081 XQ1KY
1855-21091 3XM6JR
1917-14079 EF8A
1922-28080 J7R
2021-14091 3XM6JR
2024-21093 P40KM
2054-21090 CO8LY
2059-14080 CM2KY
2109-21083 J7R
2109- 3593 VQ9LA
2136- 3594 OH0Z
2214- 3585 CN8KD
2228- 7045 ZC4LI
Monday 25
0003- 7040 3XM6JR
0952-21105 SY8GE
1120-18103 9A/VE3ZIK
1155-21082 SV9/DJ9XB
1230-14085 KG4DX
1617-14081 JW8XU
1644-14087 C56X
1747-14085 TR8CA
1754-14080 A25/DF3GY
1904-10139 A25/DF3GY
2043-18099 KG4DX
2239-14087 XE3RBA
2325-14085 DT8A
cq cq de vk2tty vk2tty
Tuesday 26
0032-10137 8P9NX
0929-14083 OH0JWH

0940- 7037 XU7ABN
1419-18105 3B9FR
1546-18101 3XM6JR
1725-14087 OX3WS
2051-10142 3XM6JR
2057-10139 CN8IG
2208-14085 TG9ADQ
Wednesday 27
0255- 7036 OM3PA
1525-14081 TR8CA
1534-21105 SY8GE EU-113
1550-21081 3XM6JR
1604-21087 YX5IOTA SA-044
1637-14084 3XM6JR
1804-14085 JW8XU
1819-14086 IH9/IK2FIL
1819-14081 XU7ABN
1842-14086 CU2AF
1847-14089 TK/DF6ZY
1856-14092 EA8RR
1908-14088 TK/DF6ZY
2030-14085 XE3RBA
2059-14086 CO2IZ
2138-14015 JW8DW
2152-10137 DT8A via HL2FDW
2156- 7033 6K5AYC
2158-14081 3XM6JR
2254- 3580 VK6HD
Thursday 28
0320- 7038 YX5IOTA
0702-18102 UN1EE
1051-14090 R1FJT
1128-14091 UN1EE
1403-10143 UN7PBY
1440-14081 HZ1SK
1452-14090 MU0FAL
1525-18107 3B9FR
1527-14080 JW8XU
1627-10140 EU6PW
1638-14084 IM0MBP EU-165
1642-14091 YX5IOTA
1756-14081 TR8CA
1806-14083 CU2AF
1834-14083 XU7ABN
1930-14087 FM5WD
1939-14081 TU5JM
1954-14084 OX3DB
2011-14093 SV9CVY
2120-14081 IS0QPA
cq cq de vk2tty vk2tty
Notes of Interest
Mongolia, JT - The TJ800OK operation by OK1CCK, OK1ES,
OK1FM and OK1XC should continue until October 8.
QSL via OK1XC.
The VK2SG RTTY DX NOTES are distributed every week via
the Winlink network, and are also available on the Internet at URL
http://mailman.qth.net/pipermail/vk2sg-rtty/
and the digital-dx reflector. To subscribe to the
digital-dx reflector, send an e-mail message to majordomo@mla.nifty.ne.jp as
follows:
Subject:(blank) Message
Body:
subscribe digital-dx

For next week's bulletin send your bandpass and notes of
interest to Don AA5AU aa5au@bellsouth.net.
GL with RTTY DX'ing!!!
Don AA5AU
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cq cq de vk2tty vk2tty
The Ohio/Penn DX
Bulletin No. 777 - excerpts
C6, BAHAMAS
Operators Peter/W2GJ, Edwin/K3IXD and Jim/K4QO will be
active as C6APR during
the CQWW DX SSB Contest (October 28-29th) as a
Multi-Single entry. QSL via
K3IXD. Operations will be from Crooked Island (IOTA
NA-113, Light House
BAH-005). After the contest, operators will sign
homecall/C6A and be active on
80-6 meters, including the WARC Bands, CW, SSB, RTTY and
PSK. If conditions
permit, they will try for the first time ever to activate
Lighthouse BAH-001, on
October 30th or 31st.
FG, GUADELOUPE (Special Event)
Members of the Radio Club A.C.R.A of Guadeloupe from St.
Claude will do their
8th "The Road of the Rum" starting October
29th. They will activate the special
callsign TO8RR on all strips of the road for 15 days
through November 12th.
Activity will be on SSB/PSK31/RTTY. Operators mentioned
are: FG5DN, FG5BC,
FG5GG, FG5GK, FG5IM, FG5AZ, FG1GW and FG1JD. Look for
updates and QSL info on
the ACRA club news Web page at:
http://acra-radioclub.site.voila.fr
FS, SAINT MARTIN
Operators Nathan/W3ADX, Mike/N3VOP, Rob/K1RH and
Clint/W3ARS will be active from
here between October 25-31st. Look for the team to be
active as FS/WY3P during
the CQWW DX SSB Contest (October 28-29th) as a
Multi-Single entry. QSL via
W3ADC. Operators will be active before and after the
contest probably signing
FS/homecall on 160-6 meters, especially on the WARC Bands
and RTTY.
TT8, CHAD
Philippe, F4EGS, will once again be active as TT8PK, from
September 20th through
November 20th. Activity is planned for 40-10 meters, SSB
and Digital modes. QSL
via Phil's instructions. Skeds are possible via E-mail
at:
cocheese.cocheese@laposte.net
V3, BELIZE
Operator Hartwig, DL7BC, will be active as V31HK between
October 17-31st. His
activities will include the Worked All Germany Contest
(WAG) (October 21-22nd)
and the CQWW DX SSB Contest (October 28-29th) as a
Sinle-Op/Low-Power entries.
QSL via DL7BC.
VP5, TURKS AND CAICOS ISLANDS

Haru, JA1XGI, will be active as VP5/W8XGI from November
4-7th. Activity will be
on all bands, CW, SSB, RTTY and SSTV. QSL via his home
callsign JA1XGI.
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cq cq de vk2tty vk2tty
The Society can be contacted in the following ways: To
Pat VK2JPA via patleeper at optusnet.com.au or Col VK2CTD via ctdavies at
bigpond.net.au or you can drop a line to PO Box 93 Toongabbie NSW 2146.
73’s from Pat VK2JPA broadcast Officer
NNNN